ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: M115044
Date Received: 10/19/06
Date Extracted: 10/23/06
Date Analyzed: 10/23/06
Matrix: Water
Units: ug/L (ppb)

Client: Alaskan Copper Works
Project: PO# M115044, F&BI 610286
Lab ID: 610286-01 10x

Data File: 610286-01 10x.042
Instrument: ICPMS1
Operator: btb

Lower Upper Internal Standard: % Recovery: Limit: Limit: Germanium 99 60 125

 Concentration

 Analyte:
 ug/L (ppb)

 Chromium
 750

 Nickel
 1,080

 Copper
 800

 Zinc
 38.5

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID: Method Blank
Date Received: Not Applicable
Date Extracted: 10/23/06
Date Analyzed: 10/23/06
Matrix: Water
Units: ug/L (ppb)

Zinc

Client: Alaskan Copper Works
Project: PO# M115044, F&BI 610286
Lab ID: I6-409 mb
Data File: I6-409 mb.031
Instrument: ICPMS1
Operator: btb

Upper

Limit:

125

Lower

Limit:

60

Internal Standard: % Recovery:
Germanium 93

Concentration ug/L (ppb)

Chromium <1
Nickel <1
Copper <1

<1

ENVIRONMENTAL CHEMISTS

Date of Report: 10/25/06 Date Received: 10/19/06

Project: Metro Self Monitor, PO# M115044, F&BI 610286

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER SAMPLES FOR TOTAL METALS BY EPA METHOD 200.8

Laboratory Code: 610290-01 (Duplicate)

			기간 학생 경기가 내려오면		Relative	사람들은 하는 사람들이 얼마나 하나 사이트 하는
			Sample	Duplicate	Percent	Acceptance
	Analyte	Reporting Unit	s Result	Result	Difference	Criteria
H	Chromium	ug/L (ppb)	5.37	5.01	7	0-20
	Nickel	ug/L (ppb)	1.35	1.37	-1	0-20
	Copper	ug/L (ppb)	<1	<1	nm	0-20
	Zinc	ug/L (ppb)	2.76	2.86	4	0-20

Laboratory Code: 610290-01 (Matrix Spike)

					Percent	F THAN THE FEFT
			Spike	Sample	Recovery	Acceptance
	Analyte	Reporting Units	Level	Result	MS	Criteria
Ď	Chromium	ug/L (ppb)	20	5.37	99 b	50-150
	Nickel	ug/L (ppb)	20	1.35	99	50-150
	Copper	ug/L (ppb)	20	<1	97	50-150
	Zinc	ug/L (ppb)	50	2.76	108	50-150

Laboratory Code: Laboratory Control Sample

		Spike	Percen Recove		ce
Analyte	Reporting Uni	ts Leve	l LCS	Criteria	
Chromium	ug/L (ppb)	20	103	70-130	
Nickel	ug/L (ppb)	20	106	70-130	
Copper	ug/L (ppb)	20	103	70-130	
Zinc	ug/L (ppb)	50	102	70-130	

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Morrow, M.S. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

October 25, 2006

DUPLICATE COPY

INVOICE # 06ACU1025-1

Accounts Payable Alaskan Copper Works 628 South Hanford Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M115044, F&BI 610286 - Results of testing requested by Gerry Thompson for material submitted on October 19, 2006.

1 sample analyzed for Tota	l Chromium,	Copper, Nic.	kel and Zinc		
by Method 200.8 @ \$80 per	sample		WE'D WATE	\$_	80.00
Amount Due				\$	80.00

FEDERAL TAX ID #(b) (6)

610286	SAMPLE CHAIN OF CUSTODY	ME 10/19	100 AIG
Send Report Ta S. Mompson Company Alaskan Coppen works Address 628 S. Handand 50	PROJECT NAME/NO. Metro Seld montan	PO# M/15044	Page # of TURNAROUND TIME Standard (2 Weeks) RUSH Rush charges authorized by:
City, State, ZIP Septice up \$8130 Phone # 706-382-8379 Fax # 706-782-435	REMARKS		SAMPLE DISPOSAL Dispose after 30 days Return samples Will call with instructions
		ANALYSES REQU	IESTED

						ANALISES REGUESTED												
Sample ID	Lab ID	Date	Time	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	Of WER	,				Not	tes
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Friedman & Bruya, Inc.		SIGNATI	TRE		PRIN	TN	AMF	<u> </u>		╌	Ь	C	OMF	PAN	7	╁	DATE	TIME
3012 16th Avenue West	Relinguished	by:		56	1							1	Ch				10/18/06	2:30
Seattle, WA 98119-2029	Received by:	m an	J	. 10	han Pl	an	`					Fel	3.				10/19/06	
Ph. (206) 285-8282	Relinquished	byf.															•	
Fax (206) 283-5044	Received by:											,						
FORMS\COC\COC.DOC													5	Sam	ples	rec	eived at_	21 °C

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D. Charlene Morrow, M.S. Yelena Aravkina, M.S. Bradley T. Benson, B.S. Kurt Johnson, B.S. 3012 16th Avenue West Seattle, WA 98119-2029 TEL: (206) 285-8282 FAX: (206) 283-5044 e-mail: fbi@isomedia.com

October 25, 2006

Gerry Thompson, Project Manager Alaskan Copper Works 628 South Hanford Seattle, WA 98134

Dear Mr. Thompson:

Included are the results from the testing of material submitted on October 19, 2006 from the Metro Self Monitor, PO# M115044, F&BI 610286 project. There are 3 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Michael Erdahl Project Manager

Enclosures ACU1025R